

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

ne of Work : Improvements to Drain, Chain link fencing and construction of Gallery to
Play ground at BEL layout 4th Block near Ganesh Temple in Ward No. 09
of Vidyaranyapura sub Division

Est Cost:

5500000.00

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
Dismantling size stone masonry in clay mortar and stacking the size stone within a radius of 50 m and removing the debris to a distance upto 200m, No. 273/ Item No. 37.48 PWD SR 2013-14	Cum							
SWD damaged wall		2	90.00	0.60	1.60	172.80	133.56	23079.00
Basic rate	126.00							
Add 6% AW	7.56							
	133.56							
Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m. In depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. after breaking of clods complete as per specifications. Specification. No. KBS 2.1(b) / 2.3.5 PWD SR 2014-15 (P. 5 / I. 2.4)	Cum							
For Front side foundation		1	110	0.75	0.75	61.88		
For CD		1	10.00	2.00	1.20	24.00		
Desilting of SWD		1	90.00	1.90	0.40	68.40		
Basic rate	140.50					154.28	148.93	22976.00
Add 6% AW	8.43							
	148.93							
KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix M 1:2:4 with OPC cement at 180kgs, with 10mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2,(P. No. 12 It No. 4.3 of PWD SR 2013-14)	Cum							
For SWD Drain bottom		1	90.00	3.40	0.15	45.90		
For fencing bottom front side		1	110.00	0.75	0.15	12.38		
For columns		24	1.20	1.20	0.15	5.18		
For CD		1	10.00	2.00	0.15	3.00		
						66.46	4211.38	279884.00
Basic rate	3973.00							
Add 6% AW	238.38							

	4211.38							
KSRB 5.3-2 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (P.25 It No. 5.9)with available size stones	Cum							
SWD		2	90.00	0.75	0.75	101.25		
						101.25	3936.84	398605.00
Basic rate	4914.00							
Deduct cost of available stones 100*10/each	1000.00							
Deduct 10 % overhead charges(1000*10%)	100.00							
Deduct 10 % contractors profit on B(1000*10%)	100.00							
Net Rate(a-b-c-d)	3714.00							
Add 6% AW	222.84							
Total	3936.84							
KSRB 5.3-2 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (P.25 It No. 5.9)	Cum							
		2	90.00	0.60	1.35	145.80		
For Fencing front Wall		1	110.00	0.60	0.45	29.70		
		1	110.00	0.45	0.45	22.28		
For cd		1	10.00	0.60	0.90	5.40		
						203.18	5208.84	1058306.00
Basic rate	4914.00							
Add 6% AW	294.84							
	5208.84							
KSRB-4-1.6 : Providing and laying in position plain cement concrete of mix M 5 with OPC cement @ 240kgs, with 10mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum machine mixed, concrete laid in layers not, exceeding 5cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2/ P.No. 12/ Item No. 4.6/ PWD SR 2013-14	Cum							
For SWD Drain vent		1	90.00	1.90	0.15	25.65		
		1	90.00	0.60	0.10	5.40		
For fixing of poles of fencing		45	0.45	0.45	0.40	3.65		
For fencing Poles		46	0.45	0.45	0.40	3.73		
						38.42	4690.50	180214.00
Basic rate	4425.00							

Add 6% AW	265.50								
	4690.50								
Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 122/ Item No. 15.1 PWD SR 2013-14	Sqm								
SWD		2	90.00	2.10		378.00			
						378.00	78.44		29650.00
Basic rate	74.00								
Add 6% AW	4.44								
	78.44								
Providing and laying cement concrete using 20mm and down size granite course aggregates and fine aggregates of ready mixed concrete for R.C.C works laid in 15cms thick layers and well compacted including vibrating curing etc., including smooth finish in CM 1:3, with all lead and lift etc., complete. (exclusive of cost of steel and fabrication charges) Ready mixed cement concrete for Beams, column, Staircase and Roof with M-20(cement -320 Kg/Cum) Page No. 19/ Item No. 4.49.1/ PWD SR 2013-14	Cum								
column footing		24	1.20	1.20	0.45	15.55			
columns		24	0.30	0.30	4.40	9.50			
Beam		2	42.00	0.30	0.45	11.34			
Gallery slab		1	45.00	5.70	0.15	38.48			
		1	45.00	0.60	0.15	4.05			
culvert		1	10.00	2.00	0.25	5.00			
						83.92	6348.34		532759.00
Basic rate	5989.00								
Add 6% AW	359.34								
	6348.34								
KSRB 4.9.2:Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 6.3 -do- for TMT Bars Fe 415 Page No. 9/ Item No. 4.46/ PWD SR 2013-14	Qtl								
		qty= 1t no 8*1.0				83.92			
						83.92	7244.04		607927.00
Basic rate	6834.00								
Add 6% AW	410.04								
Total	7244.04								

KSRB 4-6.6 : Providing and removing centering , shuttering, strutting, propping etc., and removal of form work for columns , pillars, piers, post and struts, circular or curved in plan including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 17/ Item No. 4.33/ PWD SR 2013-14								
	Sqm							
column footing		24	4.80	0.40		46.08		
columns		24	1.20	4.40		126.72		
						172.80	836.34	144520.00
Basic rate	789.00							
Add 6% AW	47.34							
Total	836.34							
KSRB 4-6.7 : Providing and removing centering , shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams , beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 17/ Item No. 4.34/ PWD SR 2013-14								
	Sqm							
beam		2	45.00	1.10		99.00		
Plinth beam		4	45.00	0.15		27.00		
						126.00	239.56	30185.00
Basic rate	226.00							
Add 6% AW	13.56							
Total	239.56							
KSRB 4-6.11 : Providing and removing centering , shuttering, strutting, propping etc., and removal of form work for stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specification. Specification NO KBS 4.6.2 Page No. 17/ Item No. 4.38/ PWD SR 2013-14								
	Sqm							
Stair		2	45.00	0.90		81.00		
		8	45.00	0.45		162.00		
		4	45.00	0.60		108.00		
						351.00	460.04	161474.00
Basic rate	434.00							
Add 6% AW	26.04							
Total	460.04							

Fabricating supplying and erecting **M.S. Tubular Truss of span upto 10m** bottom and top member is provided with 50x50x6mm double equal angles, welded back to back and in between top and bottom line, in areas of mid section is provided with 50x50x6mm equal single angle for vertical and inclined members and at supporting ends 40x40x5mm single angle is provided all the members are welded together with 6mm gusset plate as per drawing, Nos CBS/SD/K-mantap/9/MND/97. The entire truss is anchored in RCC column by using 4Nos of M.S anchor bolts at each support, with 10mm thick base plate and shoe plate. The work includes cutting, straightening, spacing in position of M.S angle and welding wherever necessary, and applying one of red oxide primer coat to all the members including cost of all materials, labour charges, and higher charges of machineries for cutting welding, grinding and erection equipments, etc, complete as per specification. Page No. 46/ I No. 7.30/ PWD SR 2013-14

	Kgs							
100 mm dia pipes	15	3.00		45.00				
			wt	5.00	225.00			
trusses	1	45.00		45.00				
			wt	15.00	675.00			
	15	3.00		45.00				
			wt	15.00	675.00			
pipe 63 mm dia	1	45.00		45.00				
				3.50	157.50			
					1732.50			
add 10 % for gusset plates etc					173.25			
					1905.75			
				say	1905.75	125.08	238371.00	
Basic rate	118.00							
Add 6% AW	7.08							
Total	125.08							
Providing Meta color sheet roofing with J or L hooks, bolts and nuts 8mm dia C.I plain and bitumen washers over the existing purlins, rafters and trusses including cost of materials, labour, complete as per specifications.	sqm							
	1	45.00	3.20		144.00	1200.00	172800.00	

Providing **chain link fencing 50mm size of 8 guage** properly stretched between rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts, cutting, bending wherever necessary, wastage and lapping etc complete as per direction of the Engineer-in-charge of work including **two coats of approved quality paint** over one coat of shop paint.(P 270 It 37.3)

	sqm							
		1	110.00	2.00		220.00		
		1	120.00	2.00		240.00		
						460.00	644.48	296461.00
Basic rate	608.00							
Add 6% AW	36.48							
Total	644.48							

Supplying and fixing **M.S. Rectangular poles** made out of 2 equal angles of **65x65x6 mm** welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead and lift and as per the directions of the Engineer-in-charge of the work and including providing **2 coats of approved quality paint** over one coat of shop painting. (excluding cost of earth work and concrete)(P 270 It 37.2)

	mtr							
		46	2.20			101.20		
		50	2.20			110.00		
						211.20	1078.02	227678.00
Basic rate	1017.00							
Add 6% AW	61.02							
Total	1078.02							

Providing and fixing **M.S. Block pipe of 88mm dia**, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including **two coats of approved quality paint** over one coat of shop paint (P 270 It 37.4)

	mtr							
		3	110.00			330.00		
		3	120.00			360.00		
						690.00	293.62	202598.00
Basic rate	277.00							
Add 6% AW	16.62							
Total	293.62							

KSRB 15-18.3 : Providing and applying enamel metal paint one coat (excluding priming coat) on previously painted steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. Page No. 130/ Item No. 15.75/ PWD SR -2013-14

sqm								
	1	110.00		1.50	165.00			
					165.00	47.70	7871.00	

Basic rate	45.00							
Add 6% AW	2.70							
Total	47.70							

Fabricating, providing and erecting in poiston of **M.S Ornamental security Grill Gate** with out hot dip using 75x12mm M.S flat for alround frame work with verticals at the centre and horizontal centere support M.S square of 20x20mm of different heights as shown in the draing are to be fixed at 16 cms c/c for square bars of full height and at 8cmsc/c for bottom rods providg ornamental CI designers at the botom and c I arrows in the middle and top. The entire frame work is to be fixed by means of expansion bolts to the brick pillars with necessary drilling holes. The work includes providing two coats of enamel painting over one coatr of red lead ready mix primer coat etc complet cost of all labour, painting, erection charges using hoist pulleycranes with all lead and lift, loading, transporting and unloading using hoist pulley cranes, scaffolding charges and all other incidental charges required for successful completion of the work as per specification and drawing, Page No. 46/ I No. 7.30/ PWD SR 2013-14

kgs								
	1	6.00	1.80		10.80			
		wt	50 kg/sqm		540.00	145.22	78419.00	

Basic rate	137.00							
Add 6% AW	8.22							
Total	145.22							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
20	KSRB 2-1.1: Earth work in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2.1(a) / 2.3.1 (PWD SR 2013-14 ,P. No. 5/ Item No. 2.1/)	cum							
			1	80.00	62.00	0.35	1736.00	124.02	215299.00
	Basic Rate	117.00							
	Area Weightage @ 6%	7.02							
	Total	124.02							
21	Sub Total								4908758.00
22	Charges @ 11% <i>KRIDL-</i>								539963.00
23	QC Charges @ 1%								49088.00
24	Miscellaneous and unforeseen charges							L.s	2191.00
									1835
	Total								5500000.00

(Rupees fifty five lakhs only)

CERTIFICATE :

- 1 The work spot has been inspected and the work is found necessary.
- 2 This estimate is prepared as per P.W.D S.R of 2013-14
- 3 The provisions were made in this estimate are necessary and adequate.
- 4 This works come under B.B.M.P. limits.

[Signature]
Assistant Engineer
ward No 09

[Signature]
Assistant Executive Engineer
Vidyaranyapura sub Division
BBMP, Bangalore

ADMINISTRATIVELY SANCTIONED FOR Rs. *55.00 lakhs*

Rupees *fifty five lakhs only*

[Signature]
Executive Engineer
Byatarayanpura Division
BBMP, Bangalore

Under *P 0190*
Mayer's Grant (2013-14)

Registered as CE No. *305/13-14*
Subject to conditions contained in enclosed memo

Dt. *26.2.2014*
AS 1921/13-14
dated *26.2.2014* *AS 55.00 lakhs*

[Signature]
Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-92

55.00 lakhs
Technical Sanction for Rs. *55.00 lakhs*
(as fifty five lakhs only)
is accorded under head *P 0190*
(Mayer Grant's)
registered as CE No. *305/13-14*
Subject to Conditions contained in enclosed memo
No. *305* Dt. *04.03.2014*
[Signature]
AE/JE TA SE (BTP) CE (BTP)

(5)

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE, BYATARAYANAPURA DIVISION

Lead Statement for Srinivasapura Dumping Yard for Ward No. 09,
Vidyaranyapura Sub Division.

Lead Distance

1. From BBMP Sub Division office to Devi Circle	1.50 Kms
2. From Devi Circle to Thirumala Daba	2.00 Kms
3. From Thirumala Daba to 3 rd Cross SBI Bank	2.00 Kms
4. From 3 rd Cross SBI Bank to Sheshadripuram College	0.50 Kms
5. From Sheshadripuram College to Police Station	0.80 Kms
6. From Police Station to Kogilu Cross	0.60 Kms
7. From Kogilu Cross to Srinivasapura	4.00 Kms
8. From Srinivasapura to Dumping Yard	<u>0.50 Kms</u>
Total	11.90 Kms

Certificate:

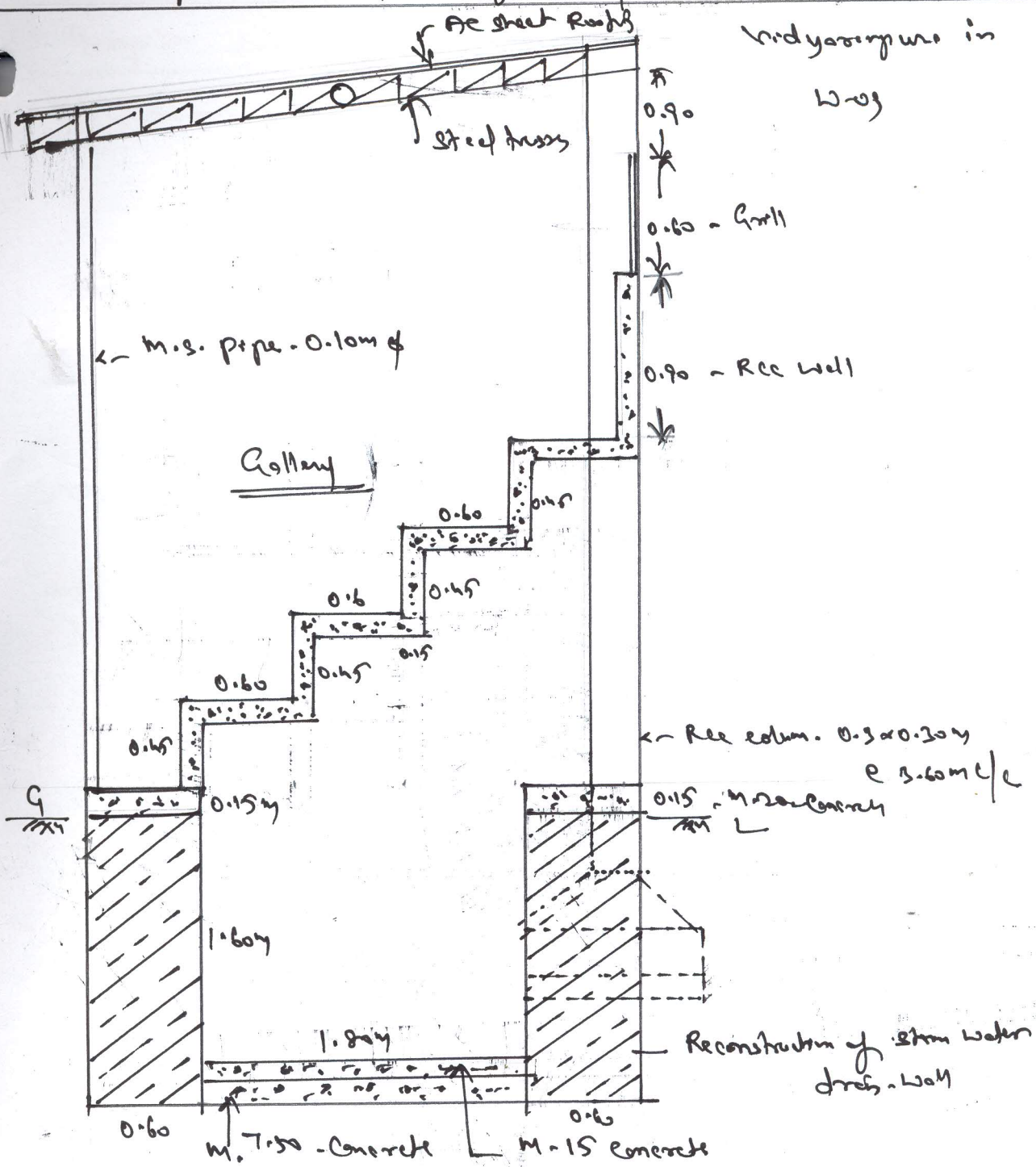
1. Certified that the Srinivasapura Dumping Yard is the approved dumping yard for ward no. 09 BBMP
2. BBMP Sub Division office Vidyaranyapura is taken as the centre place for calculating the lead distance for ward no. 09.
3. The above distance is the shortest distance for calculating the lead.


Assistant Engineer
Ward No. 09


Assistant Executive Engineer
Vidyaranyapura Sub Division

Executive Engineer
Byatarayanapura Division

Longitudinal section of Contingy Gallery at playground near Coneston Temple



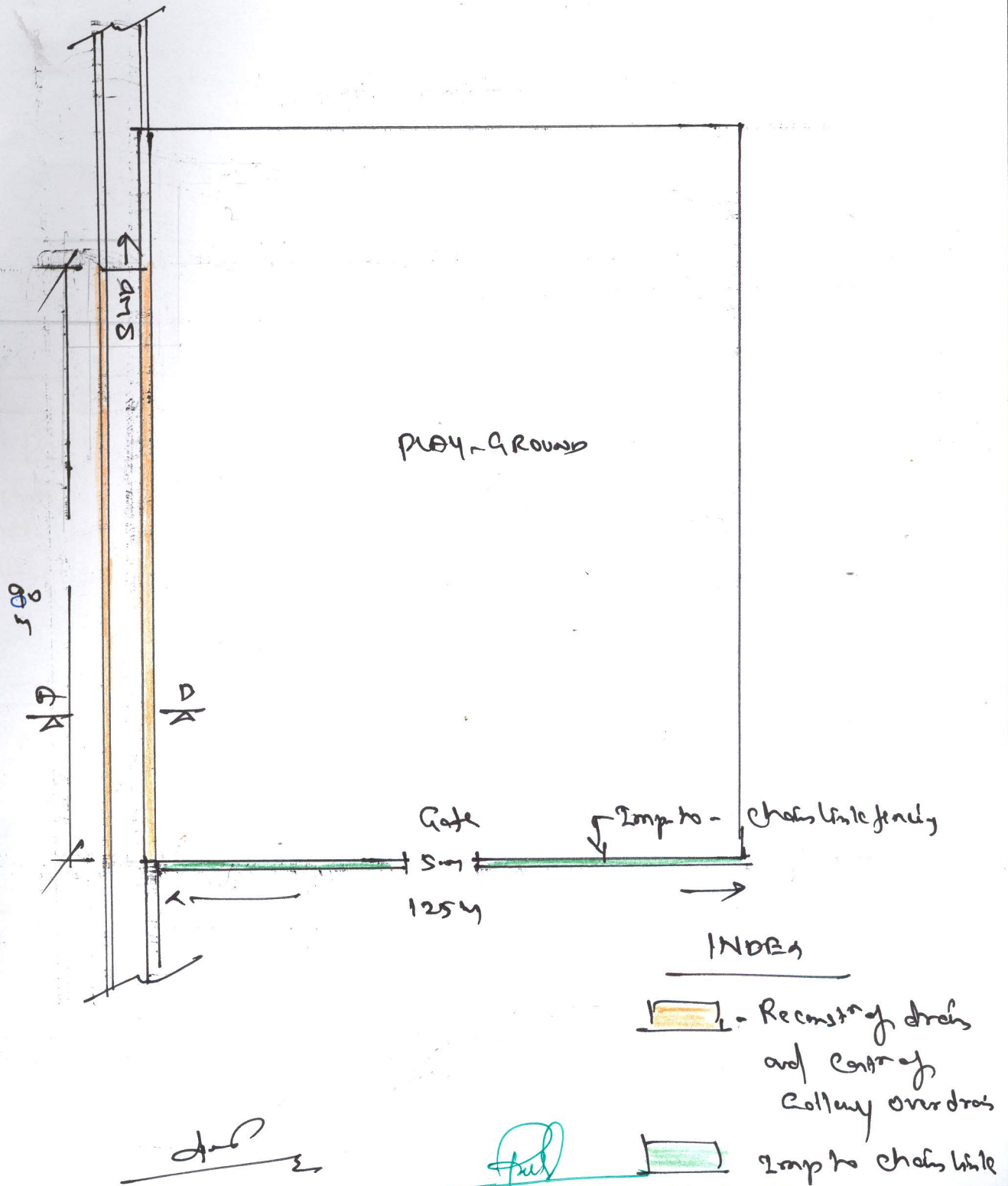
e/s of drains on AS and Gallery

J.P.

Signature

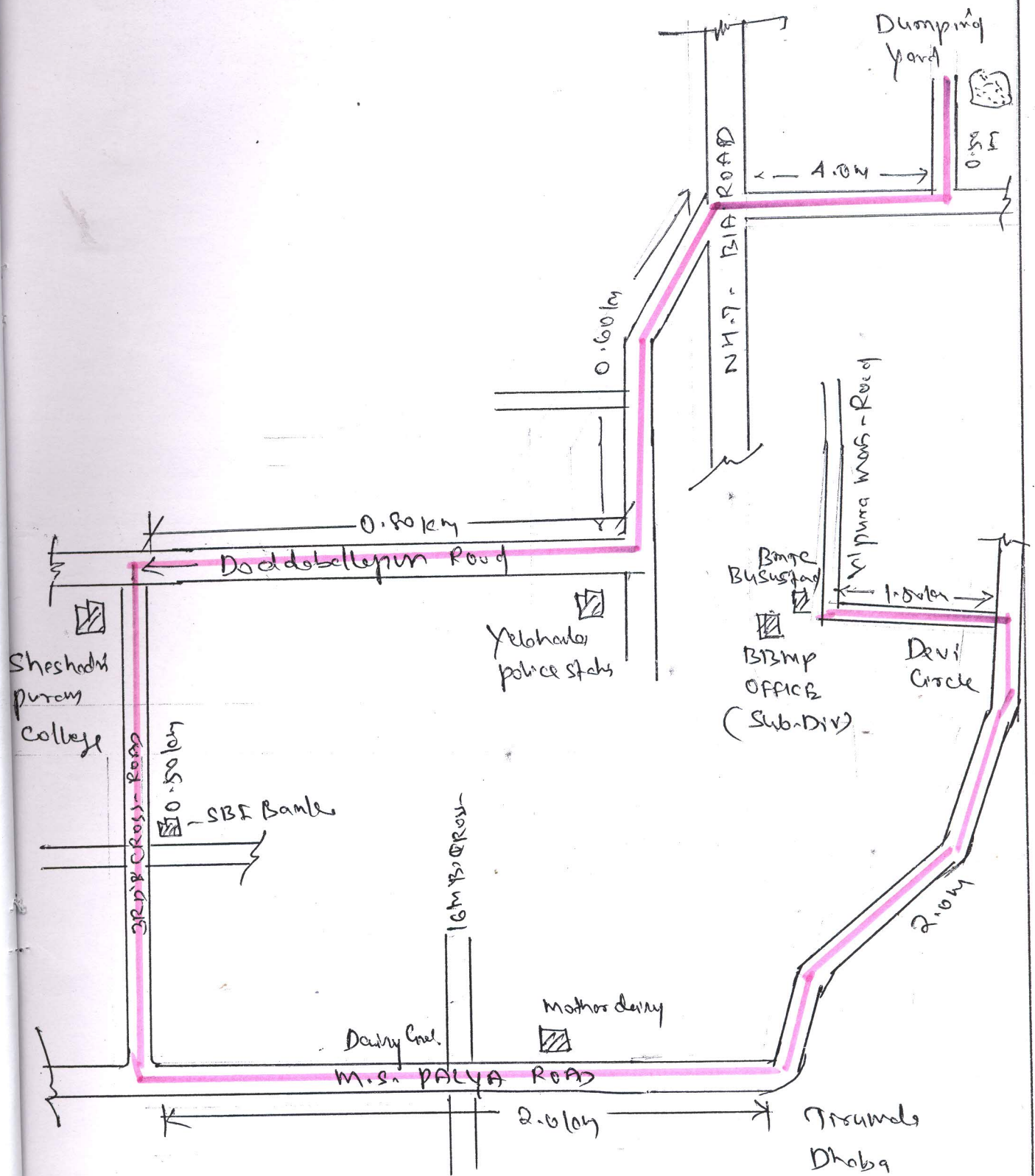
Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Trop to drain ad Centre of Colony at play ground
near Anesh Temple of Vidyanapura in W-03



Assistant Executive Engineer
Vidyanapura Sub Division
BBMP, Bangalore - 97

LEAD CHART FOR DUMPING YARD FOR WARD NO 09



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ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ
ಯಲಹಂಕೆ ಪರಿಯ,
ಬಿ. ಜಿ. ಮ. ಸಾ. ಬೆಂಗಳೂರು-97.